Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/05/2019 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124941	-1	2.00	125033	2.02
Blue	F	SSC	125000	125003	0	1.51	125802	1.52
Blue	E	FITC	16433	16161	-2	2.65	353	19.64
Blue	D	PE	27595	27473	-1	1.92	598	14.23
Blue	B	PerCP-Cy5-5	43183	42745	-2	3.52	1146	19.92
Blue	A	PE-Cy7	31943	31922	-1	6.07	613	39.44
Red	C	APC	42819	42245	-2	2.39	1492	12.07
Red	A	APC-Cy7	31261	30461	-3	2.27	806	11.83
Violet	B	V450	6527	6373	-3	4.39	357	13.18
Violet	A	V500	24533	23746	-4	4.20	553	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17983	10.26	609	9	N/A	N/A	Pass
Blue	F	SSC	56905	1.12	551	3	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	0	0.0208	123	Pass
Blue	D	PE	123	48.82	536	2	0.1797	283	Pass
Blue	B	PerCP-Cy5-5	211	47.65	645	3	0.0094	19	Pass
Blue	A	PE-Cy7	114	99.49	694	5	0.0118	23	Pass
Red	C	APC	354	25.37	580	-3	0.0248	167	Pass
Red	A	APC-Cy7	177	28.86	560	-3	0.0058	1110	Pass
Violet	B	V450	54	59.30	451	-4	0.0503	1962	Pass
Violet	A	V500	83	31.77	462	-5	0.0212	416	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.28	-31.89	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.63	13.60 - 20.40	N/A	N/A	29.41	29.91	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11077

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments